

**PART A  
INVITATION TO BID**

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF ESKOM HOLDINGS SOC LTD					
BID NUMBER:	OLT2045878	CLOSING DATE:	11 October 2022	CLOSING TIME:	11:00pm (23:00)
DESCRIPTION	Perform Repair on Fire Water Tank as per scope detailed in Part D				
DELIVERY ADDRESS	Gourkiwa Power Station On N2 <b>North</b> , PetroSA Landfill Site (Next to PetroSA) Mosselbay		SITE CLARIFICATION MEETING	Not applicable	
THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).					

BID RESPONSE DOCUMENTS MAY BE SUBMITTED VIA: [Informaltendering@eskom.co.za](mailto:Informaltendering@eskom.co.za)

**Please note the following rules with respect to the OLT system (Informal Tendering)**

- a. **Use the OLT reference pertaining the line item you wish to tender for and submit each OLT separately.**
- b. **Please ensure that the email subject line only contains the relevant OLT Enquiry number heading and no other information.** Do not add any text to the subject line. Do not add any space in between the prefix and the enquiry number.
- c. Ensure that the relevant OLT enquiry number is stipulated in the subject line on all e-mails if multiple emails are sent
- d. Ensure that you receive a confirmation email after submitting your documentation. Please follow up immediately via the email address of the respective buyer if you did not receive this.
- e. Maximum attachment size per email is **10MB**. It is the supplier's obligation to ensure that the attachments per email do not exceed this limit.
- f. Please note closing date and time on the OLT. Your submission will not be evaluated if it is received after the closing date and time of the OLT.
- g. All tender returnables/documentation must be submitted to [Informaltendering@eskom.co.za](mailto:Informaltendering@eskom.co.za) only.
  - E-mails to any other address (except for clarifications) will not be accepted.
  - Failure to comply with these rules will result in your tender being disqualified.
- h. Requests for Clarifications must be sent in writing via email to [ShakhaE@eskom.co.za](mailto:ShakhaE@eskom.co.za) and not to [Informaltendering@eskom.co.za](mailto:Informaltendering@eskom.co.za). All requests for clarifications and responses must be in writing. Eskom will respond to requests for clarification received within **three (3) working**
- i. **Please see Part C for returnables to be submitted with offer**

**Note:**

- Due to varying requirements, slight changes could be included in each RFQ document, and suppliers are therefore required to read through the document carefully whenever invited to tender.
- ALL Suppliers are required to be registered (except foreign suppliers) on the National Treasury Central Supplier Database (CSD) as at tender response stage and the respective CSD number must be provided with all quotes together with the Eskom vendor registration number. Responses that do not comply with the CSD requirement will be regarded as non-responsive (except foreign suppliers). For CSD registration: Please register at <https://secure.csd.gov.za/>
- All Suppliers (including Foreign suppliers) are required to complete SBD 1-Invitation to Bid and submit this annexure at tender closing deadline. Local suppliers are required to be tax compliant and must submit CSD Number/ Efiling pin number/ copy of tax clearance certificate as evidence of their tax compliance status.
- Foreign suppliers (even those with no footprint in RSA) are in addition required to answer Part B (3) which is part of the afore-mentioned SBD 1. Should the said foreign suppliers answer "yes" to any of the questions [Part B (3)]; they are required to be tax compliant and must therefore submit their Efiling pin number or copy of tax clearance certificate which will be verified by Eskom.
- All suppliers are required to refer to [www.eskom.co.za](http://www.eskom.co.za) for the Supplier Integrity Pact that must be downloaded and read. The Integrity Pact Declaration annexure A (attached hereto) named Supplier Declaration Form is a mandatory tender returnable.
- Specify line prices at lines where prices are submitted and indicate no quote at lines where no price is submitted. Refer Part D
- Where "designated sectors" are applicable, ensure that the relevant annexures and declarations are submitted by the OLT deadline, or the submission will be regarded as non-responsive and disqualified.
- You are also required to complete and submit the attached deviation form along with your quotation at OLT closing deadline. If there are deviations, but the deviation schedule has not been completed and/or returned with your quote, your offer will be disqualified.

SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
TCS PIN:			CSD No:		
ESKOM VENDOR NUMBER					
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE [TICK APPLICABLE BOX]		<input type="checkbox"/> Yes <input type="checkbox"/> No	B-BBEE STATUS LEVEL SWORN AFFIDAVIT		<input type="checkbox"/> Yes <input type="checkbox"/> No
IF YES, WHO WAS THE CERTIFICATE ISSUED BY?					
AN ACCOUNTING OFFICER AS CONTEMPLATED IN THE CLOSE CORPORATION ACT (CCA) AND NAME THE APPLICABLE IN THE TICK BOX		<input type="checkbox"/>	AN ACCOUNTING OFFICER AS CONTEMPLATED IN THE CLOSE CORPORATION ACT (CCA)		
<input type="checkbox"/>	A VERIFICATION AGENCY ACCREDITED BY THE SOUTH AFRICAN ACCREDITATION SYSTEM (SANAS)				
<input type="checkbox"/>	A REGISTERED AUDITOR				
	NAME:				
<b>[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/SWORN AFFIDAVIT(FOR EMEs&amp; QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]</b>					
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?		<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]	ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?		<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ANSWER PART B:3 BELOW ]
<b>PRICING</b>					
<b>TOTAL TENDER PRICE, EXCLUDING DELIVERY</b>					
<b>TOTAL TENDER PRICE INCLUDING DELIVERY BUT EXCLUDING VAT</b>					
<b>TOTAL TENDERED PRICE, INCLUDING VAT</b>					
ARE DELIVERY CHARGES INCLUDED IN THE PRICE			Yes _____	No _____	
<b>CONFIRM DELIVERY LEAD TIME</b>					
OFFER VALIDITY PERIOD			90 days		
ARE THE PRICE/S FIXED AND FIRM?	Yes _____	No _____	RATE OF EXCHANGE:	FOB VALUE:	Freight Insurance:
			_____	_____	_____
DISCOUNT:		TRADE		(2) SETTLEMENT _____	
		_____			
DO YOU ACCEPT ESKOM HOLDINGS SOC LTD GENERAL CONDITIONS OF PURCHASE?			Yes _____	No _____	
The invitee/tenderer hereby confirms that a copy of the Integrity Pact was obtained, that it understands the provisions thereof and, undertakes to abide by the provisions thereof in any dealings it may have with Eskom and that the signed Integrity Pact Declaration is submitted as a tender returnable by the stipulated deadline.					
SIGNATURE OF BIDDER		DATE			
CAPACITY UNDER WHICH THIS BID IS SIGNED (Attach proof of authority to sign this bid; e.g. resolution of directors, etc.)					
<b>BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:</b>					
DEPARTMENT/ PUBLIC ENTITY		Eskom Holdings SOC Ltd			
CONTACT PERSON		Emmanuel Shakhane			
TELEPHONE NUMBER		N/a			
FACSIMILE NUMBER		N/a			
E-MAIL ADDRESS		<a href="mailto:ShakhaE@eskom.co.za">ShakhaE@eskom.co.za</a>			

**PART B**  
**TERMS AND CONDITIONS FOR BIDDING**

<b>1. BID SUBMISSION:</b>
<p>1.1. BIDS MUST BE SUBMITTED BY THE STIPULATED TIME TO THE CORRECT EMAIL ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.</p> <p>1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED VIA TO <a href="mailto:Informaltendering@eskom.co.za">Informaltendering@eskom.co.za</a> AS PER SUBMISSION INSTRUCTIONS DETAILED IN PART A</p> <p>1.3. BIDDERS MUST REGISTER ON THE CENTRAL SUPPLIER DATABASE (CSD) TO UPLOAD MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS; AND BANKING INFORMATION FOR VERIFICATION PURPOSES). B-BBEE CERTIFICATE OR SWORN AFFIDAVIT FOR B-BBEE MUST BE SUBMITTED TO BIDDING INSTITUTION.</p> <p>1.4. WHERE A BIDDER IS NOT REGISTERED ON THE CSD, MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS MAY NOT BE SUBMITTED WITH THE BID DOCUMENTATION. B-BBEE CERTIFICATE OR SWORN AFFIDAVIT FOR B-BBEE MUST BE SUBMITTED TO BIDDING INSTITUTION.</p> <p>1.5. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER LEGISLATION OR SPECIAL CONDITIONS OF CONTRACT.</p> <p>1.6. ESKOM RESERVES THE RIGHT TO AWARD A TENDER TO A SUPPLIER WHO MAY NOT BE THE HIGHEST SCORING OR HIGHEST RANKED SUPPLIER FOR THE PURPOSE OF MAXIMISING RECOGNITION OF BLACK OWNERSHIP, BLACK MANAGEMENT CONTROL, SKILLS DEVELOPMENT AND/OR PREFERENTIAL PROCUREMENT IN LINE WITH SECTION (2)(1)(F) OF PPPFA.</p> <p>1.7. ESKOM RESERVES ITS RIGHT TO TERMINATE THIS PROCUREMENT PROCESS IN THE EVENT THAT INFORMATION COMES TO LIGHT (IN WHATEVER WAY OR FORM) THAT IT MAY SUFFER SERIOUS REPUTATIONAL DAMAGE BY DOING BUSINESS WITH THE SUPPLIER OR, ALTERNATIVELY, INFORMATION IS RECEIVED BY ESKOM THAT THE SUPPLIER (HOWSOEVER), WHETHER DIRECTLY OR INDIRECTLY, MAY BE INVOLVED IN CORRUPT PRACTICES AND ACTIVITIES IN VIOLATION OF THE PREVENTION AND COMBATING OF CORRUPT PRACTICES ACT, NO.12 OF 2004 (PRECCA), THE PREVENTION OF ORGANISED CRIME ACT, 121 OF 1998 (POCA), THE PUBLIC FINANCE MANAGEMENT ACT, NO. 1 OF 1999 (PFMA) AND THE CONSTITUTION.</p>
<b>2. TAX COMPLIANCE REQUIREMENTS</b>
<p>2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.</p> <p>2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VIEW THE TAXPAYER'S PROFILE AND TAX STATUS.</p> <p>2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE <a href="http://WWW.SARS.GOV.ZA">WWW.SARS.GOV.ZA</a>.</p> <p>2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS TOGETHER WITH THE BID.</p> <p>2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE PROOF OF TCS / PIN / CSD NUMBER.</p> <p>2.6 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.</p>
<b>3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS</b>
<p>3.1. IS THE BIDDER A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span></p> <p>3.2. DOES THE BIDDER HAVE A BRANCH IN THE RSA? <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span></p> <p>3.3. DOES THE BIDDER HAVE A PERMANENT ESTABLISHMENT IN THE RSA? <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span></p> <p>3.4. DOES THE BIDDER HAVE ANY SOURCE OF INCOME IN THE RSA? <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span></p> <p><b>IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN, IT IS NOT A REQUIREMENT TO OBTAIN A TAX COMPLIANCE STATUS / TAX COMPLIANCE SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 ABOVE.</b></p>

**NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.**

## PART C TENDER RETURNABLES

### C.1 Attachments issued with this OLT Invitation to Tender

- **Attachment 1:** Integrity Pact Declaration – Annexure A
- **Attachment 2:** Preference Claim Form – SBD 6.1
- **Attachment 3:** Affidavit\_EME May 2015 (Template)
- **Attachment 4:** Standard Bidding Document SDB4
- **Attachment 5:** Occupational Health and Safety Act: Section 37(2) Agreement - Form
- **Attachment 6:** Baseline risk assessment\_Fire Water Tank
- **Attachment 7:** Supplier guide to Informal Tendering
- **Attachment 8:** Eskom's General Conditions of Purchase
- **Attachment 9:** SHE Manual v20 ebook
- **Attachment 10:** APPENDIX A - Tank Dimensions
- **Attachment 11:** APPENDIX B - Tank Components
- **Attachment 12:** APPENDIX C - Damaged Side Panels
- **Attachment 13:** APPENDIX D - L Channel Details

### C.2 EVALUATION CRITERIA

For transactions above **R30 000** up to **R50M** (inclusive of VAT) Price and B-BBEE Preferential Point Scoring will be based on the **80/20** allocation aligned to the PPPFA Regulations 2017;

For transactions less than **R30 000** (inclusive of VAT); the Preferential Point Scoring is not mandatory and only Price may be used (or state any other criteria to be used).

Note: **Attachment 2** and submission of BBBEE certificate/Affidavit must be submitted in order to claim preference points

### C.3 TENDER RETURNABLES

Please ensure that the tender returnables listed hereunder are submitted as per stipulated deadlines as non-compliance with mandatory tender returnables at RFQ closing deadline will result in disqualification (except where these are required for scoring /ranking purposes only).

Non-compliance with mandatory returnables due at contract/order award stage will impact award.

**It is highly recommended that all tender returnables are submitted at tender closing date.**

## C.3.1 BASIC COMPLIANCE

Returnables	MANDATORY AT CLOSING	MANDATORY PRIOR TO AWARD	SUBMITTED. (Supplier checklist)
Offer invitation Form SBD1: Part A-D completed	YES		YES / NO
<b>Attachment 1:</b> Integrity Pact Declaration – Annexure A	YES		YES / NO
<b>Attachment 2:</b> Preference Claim Form  <i>Applicable if claiming preference points. Failure to submit will result in a zero score but will not disqualify submission – SBD 6.1</i>	YES		YES / NO / Not applicable
Copy of Tax Clearance Certificate	YES		YES / NO
<b>Attachment 3:</b> Affidavit_EME May 2015 (Template)  <b>Copy of certified valid BBBEE Certificate /Affidavit;</b> Failure on the part of the supplier to submit a valid current certificate for purposes of evaluation and scoring by the tender closing deadline will result in disqualification as the BBBEE Certificate is required to confirm adherence to the Pre-Qualification Criterion	YES		YES / NO
<b>Attachment 4:</b> Standard Bidding Document SDB4	YES		YES / NO
Technical Returnables (Refer to section <b>C.3.2</b> )	YES		YES / NO
Relevant valid copy of Letter of Good Standing	YES		YES / NO
<b>Attachment 5:</b> Occupational Health and Safety Act: Section 37(2) Agreement - Form - TO BE COMPLETED	YES		YES / NO
<b>Attachment 6:</b> Baseline risk assessment_Fire Water Tank		YES	YES / NO
Safety Requirements (Refer to point <b>C.3.3</b> )		YES	YES / NO
Attach proof of authority to sign this bid; e.g. resolution of directors, etc.)		YES	YES / NO
<b>Attachment 7:</b> Supplier guide to Informal Tendering	For your info		
<b>Attachment 8:</b> Eskom's General Conditions of Purchase	For your info		
<b>Attachment 9:</b> SHE Manual v20 ebook	For your info		
<b>Attachment 10:</b> APPENDIX A - Tank Dimensions	For your info		
<b>Attachment 11:</b> APPENDIX B - Tank Components	For your info		
<b>Attachment 12:</b> APPENDIX C - Damaged Side Panels	For your info		
<b>Attachment 13:</b> APPENDIX D - L Channel Details	For your info		

### C.3.2 FUNCTIONAL ANALYSIS

#### C.3.2.1 TECHNICAL RETURNABLES

A penalty for the technical evaluation will be conducted in the following manner;

Technical Evaluation+C2:S72						
Fire Water Tank Repair at Gourikwa Power Station						
Criteria	Weight	Scoring (% Of Weight). 70% Minimum threshold				Score
		0	40	80	100	
<b>1. CAPABILITY</b>  Provide verifiable/auditable sources of evidence that the product supplier and construction company have successfully supplied and then installed 100 [m <sup>2</sup> ] of Galvanised Covering Plates and 40[m] of handrailing. The listing shall include contact details for the listed reference projects.	30	Tenderer submitted zero (0) verifiable references of similar projects to indicate their relevant experience for the repair of a square bolted Fire Water Tank, Cat Ladder and handrails.	Tenderer submitted 41[m <sup>2</sup> ] to 60[m <sup>2</sup> ] verifiable references of similar projects to indicate their relevant experience for the repair of a square bolted Fire Water Tank, Cat Ladder and handrails.	Tenderer submitted 61[m <sup>2</sup> ] to 80[m <sup>2</sup> ] verifiable references of similar projects to indicate their relevant experience for the repair of a square bolted Fire Water Tank, Cat Ladder and handrails.	Tenderer submitted 81[m <sup>2</sup> ] or more verifiable references of similar projects to indicate their relevant experience for the repair of a square bolted Fire Water Tank, Cat Ladder and handrails.	
<b>2. PRODUCT DATA SHEETS/DRAWINGS/SPECIFICATION</b>  Supply of individual product data sheets and ISO 9001 certificate. Drawings and/or specifications for (1) Cover Plates, (2) Handrails (3) installation components, (4) Corrosion protection and (5) Cat ladder	25	None provided.	ISO9001 Certificate Included	3/5 Data Sheets Drawings or Specifications provided and as per requirements. ISO9001 Certificate Included	All (5/5) Data Sheets, Drawings and Specifications provided and as per requirements. ISO9001 Certificate Included	
<b>3. METHOD STATEMENT</b>  Construction method statement Which includes: (1) site preparation, (2) workshop fabrication of cover plates, handrails and cat ladder, (3) Testing (4) Galvanising and finishing of constructed materials (5) installation cover plates, handrails and cat ladder to Fire Water Tank	15	None provided/submitted.	Four (4) construction and installation steps missing	Two (2) construction and installation steps missing	All construction and installation steps submitted	
<b>4. QUALITY CONTROL PLANS</b>  The QCP to include: Workshop fabrication of cover plates, handrails, cat ladder and fittings, Non destructive testing, installation of cover plates, handrails and cat ladder to Fire Water Tank. Required to monitor all recommendations and criteria in the method statement and product datasheets.	10	None provided.	Only high level detail of steps for site preparation, workshop fabrication, testing, finishing and installation.		Detailed QCP indicating all steps, tests, inspections criteria and interventions for site preparation, fabrication, testing and installation of Cover Plates, hand rails and Cat Ladder on Fire Water Tank.	
<b>5. DEVIATIONS &amp; EXCLUSIONS.</b>  List of deviations or exclusions	10	Deviations from the requirements of the specification which would be detrimental to the reliability of the Fire Water Tank.	Acceptable deviations.		No related deviations. If there are none then a definitive statement in this regard needs to be provided.	
<b>6. GUARANTEES.</b>  Warranties against Defects Liabilities, Product Warranty and Structural Warranty	10	None provided	5 years	8 years	> 10 years	

**A TENDER WILL BE DISQUALIFIED IF THESE DOCUMENTS ARE NOT INCLUDED IN THE TENDER.**

**C.3.3 HEALTH AND SAFETY REQUIREMENTS**

The recommended contractor needs to have the following documents prior to work commencement;

- Organogram of the Company
- Scope of Work
- Valid copy of Letter of Good Standing
- SHE Policy of your company
- Legal Appointments
- Risk Assessment (Task Based)
- The fall protection plan
- ID Copies
- Competencies (Technicians) + working at height certificate as he will need to work at elevated level.
- Calibration certificate of your Equipment
- Medical certificate of the people coming to site.
- SHE Induction Training Register (Company)
- Tool register (Only for tools that going to be used here on site)

Safety file to be provided at least one week prior to coming to site.

**PLEASE BE ADVISED THAT LATE TENDERS/QUOTATIONS WILL NOT BE EVALUATED, NO EXCEPTIONS.**

**PART D  
SCOPE**

Item	OLT Reference	Eskom Stock no.	Description: Supply and Delivery of:	Qty	Unit of Measurement	Unit price <i>insert the price per unit excl VAT</i>	Total price <i>insert the total price excl VAT</i>	VAT <i>insert the VAT amount</i>
1	OLT2045878	N/a	FIRE WATER TANK	1	Each			
2	OLT2045878	N/a	HANDRAILS; REMOVE AND REPLACE	1	Each			
3	OLT2045878	N/a	CATLADDER; REMOVE AND REPLACE	1	Each			
4	OLT2045878	N/a	MATERIALS	1	Each			
5	OLT2045878	N/a	CONSUMABLES	1	Each			

**NOTE:** Please attach detailed cost breakdown (i.e. Labour hourly rates, tools, transport rate (Rand per km), if applicable etc.).

NOTE;

- Project expected ASAP: October 2022 or soon thereafter



### **The scope of work includes the following:**

Replacing critically damaged roof cover plates, handrails and structural components used to secure the rails to the tank sidewalls.

The Contractor performs a comprehensive repair of the failed roof section of the Fire Water Tank. The Contractor performs comprehensive repairs on the critically damaged handrails and associated structural supports and attachments. The works take place on site at the location of the Fire Water Tank as seen on Drawing 0.85/367 Rev P0 – Gourikwa OCGT Layout. The works includes deconstruction of the current damaged roof cover plates, handrails and associated structural supports and attachments. Activities of work include:

- **Rigging:** Removal of damaged cover plates using a hydraulic truck mounted crane
- **Cutting, fitting and placement:** perform cutting (grinding), drilling and fitting for installing handrails and cover plates.
- **Waterproofing:** Sealing of side panels and cover plates.
- **Testing:** to prove the integrity of the work performed

The Contractor is wholly responsible for the deconstruction of invalidated structural components including the cover plates, handrails and associated supports and fasteners. Furthermore, the contractor is wholly responsible for reconstruction of the Fire Water Tank to its original state, surface preparation and galvanising application.

### **Deconstruction of the invalidated components**

#### ➤ **The Contractor will deconstruct the Fire Water Tank Cover Plates**

- Remove damaged cover plates from Fire Water Tank using a hydraulic truck mounted crane.
- Undo M12 bolts that secures individual damaged cover plates on overlapping joints.
- Salvage all reusable cover plates and store on site.
- Safely remove invalidated cover plates from work site or relocate to lay down yard.

#### ➤ **Removal of Hand railings**

- Erect scaffolding, spanning 15 m, along the Eastern Wall of the Fire Water Tank up to a height of 4 to 5 meters in order to provide a safe, ergonomic working platform.
- Undo Slip joints and remove 33 [mm] diameter Hand railings from stanchions starting from one side working across the designated area.
- Unbolt M12 Nuts located on the kicker plates in order to free stanchions from Fire Water Tank, it is not required to remove the M16 bolts located on the stanchion palms
- Hand railings on the Eastern wall of the Fire Water Tank (As shown in Appendix E) shall be removed.
- Safely store hand railing sections and stanchions on site
- Safely dispose of invalidated hand railings and stanchions

#### ➤ **Removal of CAT Ladder**

- Unscrew M12 Bolts from CAT Ladder Cleats
- Safely dispose of Cat Ladder

### **Reconstruction of Fire Water Tank roof**

#### ➤ **Damaged side panels:**

- The four to five damaged side panels as shown in Appendix C is of minor concern since the structural integrity of the tank is not compromised by the slight bend. The only concern will be to have a horizontal top plane in order to secure the stanchions on the Eastern side of the Fire Water Tank

#### ➤ **Covering the Fire Water Tank top**

- Remove critically damaged L Channel sections from the side panels.
- Dispose of L Channel sections in the lay down yard.
- Install new 3mm thick galvanised steel L Channel along the length of the Eastern Walls of the Fire Water Tank using high tensile grade galvanised M12 bolts, washers and nuts.
- Fit required amount of cover plates and seal using silicone or mastic compound in order to close up the Fire Water Tank roof.

- Secure individual cover plates to one another using high tensile grade galvanised M12 Bolts, washers and nuts.
- Reinforce Row 1 and Row 24 with galvanised angle iron to secure roof to sidewalls.
- Secure reinforced end cover plates to L Channels using high tensile grade galvanised roofing screws
- Close up small gap resulting from bent side panels by cutting a custom shape cover plate that will ensure a complete roof seal.

#### ➤ **Fitting the hand rails**

- Bolt kicker plates to L Channels using high tensile grade galvanised M12 bolts, washers and nuts
- When reinstalling the handrails on the bent side panels: bend the kick plates to the correct acute angle which will ensure stanchions are installed 90° [deg] relative to the Fire Water Tank roof
- Fasten stanchion palms to kicker plates using high tensile grade galvanised M16 bolts, washers and nuts
- Install hand railings to resemble original specification
- Handrails shall be according to Eskom Standard for Stair and Handrails drawing number 2901 Rev 9.

#### ➤ **Installation of the CAT ladder**

- Fit a 5m CAT ladder to Fire Water Tank on the Eastern side wall, as per Eskom Standard for Stair and Handrails drawing number 2901 Rev 9.

### **Specification of Product or Goods**

#### **Materials**

Steel components are manufactured from carbon steel.

#### **Tank Panels**

Material	High Yield stress drawing quality, Carbon Steel
Size	1220 [mm] x 1220 [mm]
Available Thickness	3 [mm], 4.5 [mm] or 6 [mm]

The tank has a 1000[m<sup>3</sup>] storage capacity and dimensions are shown in Appendix A. Refer to Appendix B for recommended thickness and Panel Views.

#### **Cover Plates**

Material	High Yield stress drawing quality, Carbon Steel
Thickness	2.5 [mm]
Width	610 [mm]

Cover plates are shaped to provide a tight overlapping fit. Refer to Appendix B for a schematic representation of the cover plates.

#### **Internal Bracing and Roof Supports**

Internal bracing and roof supports are designed and manufactured to provide a rigid structure. Most Items are jig assembled for dimensional precision. The Internal bracing and Roof Supports will remain as is and no repairs are required on this.

#### **Fasteners:**

All bolts and nuts are high tensile grade

#### **Corrosion Protection**

All steel components are hot dip galvanised to internationally recognised standards ISO 1461:2009 after manufacture.

#### **Sealing Materials**

Special profile rubber gaskets are used between tank plates. Rubber bungs, silicone and mastic compound are used at other specific places. All sealing materials are non-toxic and non-tainting

#### **Pipe Connections**

Pipe connections are welded to tank plates at supplier works before galvanising. Standard types of connections are BSP screwed sockets and flanges on stub pipes. Preferred flanges are to SABS 1123 100Kpa or BS 4509 10 Bar.

**Site Constraints:**

All persons to arrive/visit **Gourikwa Power Station**, National Key Point, have to comply/undergo the following;

- Identification will be required to gain access.
- Breathalyzer and Covid19 tests will be performed before proceeding through Main Entrance.
- Adhere to Eskom's Life-saving Rules:
  - ❖ Open, isolate, test, earth, bond and/or insulate before touch
  - ❖ Hook up at heights
  - ❖ Buckle up
  - ❖ Be sober
  - ❖ Permit to work (incl. Hot Work permit)
- Induction prior to commencement of the meeting. (±20min)
- Photographs may be taken with prior approval request
- Applicable safety gear will be required to be worn with site walk-down. (please provide own safety shoes, hearing protection and hard hat)
- Not rendering harm to any Eskom property or personnel.

The contractor will provide a SHE Specification detailing their risk assessment of the tasks, in addition to a working at heights programme, any applicable procedures, competencies, medical certificates, letter of good standing, etc., and any legal requirement applicable to their tasks.

**Environmental**

- The Contractor acquaints himself with all statutory and local environment regulations and adheres to these without exception, and especially with the requirements of the National Environmental Management Act 107 of 1998 and its applicable Regulations. It should address amongst others:
  - ❖ Waste Management: Generation, storage and disposal.
  - ❖ Hazardous Chemicals: Storage and disposal and information (Material Safety Data Sheets for each chemical that is used).

**Material and/or facilities**

- Eskom the *Employer*, will provide the following:
  - ❖ Access to facilities as and when required.
  - ❖ Site induction.
  - ❖ Issue Permit to work.

**Copies Available on Request:**

- ❖ Occupational Health and Safety Act – 85 of 1993.
- ❖ Eskom Safety Procedure 32-95.
- ❖ Eskom Cardinal Rules Directive 32-421.
- ❖ Eskom Smoking Policy 32-1126.